

14273.txt

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: April 4, 2005, 12:43:09 ; Search time 92.5 Seconds  
(without alignments)  
1294.108 Million cell updates/sec

Title: US-10-086-181-2

Perfect score: 361

Sequence: 1 MSPECARAAGDAPLRSLEQA.....KGAILTDTSVKRNDLSIISG 361

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 1413372 seqs, 331592847 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1413372

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published\_Applications\_AA:\*

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*

2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*

3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*

4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*

5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*

6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*

7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*

8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*

9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*

10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*

11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*

12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*

13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*

14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*

15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*

16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep:\*

17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*

18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep:\*

19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*

20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB | ID              | Description       |
|------------|-------|-------------|--------|----|-----------------|-------------------|
| 1          | 361   | 100.0       | 361    | 10 | US-09-992-331-2 | Sequence 2, Appli |
| 2          | 361   | 100.0       | 361    | 13 | US-10-015-498-2 | Sequence 2, Appli |
| 3          | 361   | 100.0       | 361    | 13 | US-10-086-181-2 | Sequence 2, Appli |

| 14273.txt |     |       |     |    |                    |                    |
|-----------|-----|-------|-----|----|--------------------|--------------------|
| 4         | 361 | 100.0 | 361 | 14 | US-10-077-698-1    | Sequence 1, Appli  |
| 5         | 361 | 100.0 | 361 | 14 | US-10-171-027-1    | Sequence 1, Appli  |
| 6         | 361 | 100.0 | 361 | 14 | US-10-075-987-1    | Sequence 1, Appli  |
| 7         | 358 | 99.2  | 361 | 9  | US-09-995-225-8    | Sequence 8, Appli  |
| 8         | 358 | 99.2  | 361 | 10 | US-09-995-225-8    | Sequence 8, Appli  |
| 9         | 300 | 83.1  | 300 | 14 | US-10-077-698-6    | Sequence 6, Appli  |
| 10        | 300 | 83.1  | 300 | 14 | US-10-075-987-6    | Sequence 6, Appli  |
| 11        | 240 | 66.5  | 360 | 14 | US-10-262-313-2    | Sequence 2, Appli  |
| 12        | 240 | 66.5  | 360 | 16 | US-10-768-878-2    | Sequence 2, Appli  |
| 13        | 189 | 52.4  | 221 | 14 | US-10-116-252-12   | Sequence 12, Appli |
| 14        | 189 | 52.4  | 221 | 14 | US-10-017-161-1810 | Sequence 1810, Ap  |
| 15        | 189 | 52.4  | 221 | 15 | US-10-292-798-1466 | Sequence 1466, Ap  |
| 16        | 134 | 37.1  | 361 | 14 | US-10-225-567A-682 | Sequence 682, App  |
| 17        | 129 | 35.7  | 129 | 15 | US-10-276-774-1615 | Sequence 1615, Ap  |
| 18        | 121 | 33.5  | 356 | 10 | US-09-791-932-70   | Sequence 70, Appli |
| 19        | 76  | 21.1  | 140 | 10 | US-09-791-932-93   | Sequence 93, Appli |
| 20        | 45  | 12.5  | 45  | 10 | US-09-992-331-27   | Sequence 27, Appli |
| 21        | 45  | 12.5  | 45  | 14 | US-10-262-313-27   | Sequence 27, Appli |
| 22        | 45  | 12.5  | 45  | 16 | US-10-768-878-27   | Sequence 27, Appli |
| 23        | 44  | 12.2  | 44  | 10 | US-09-992-331-20   | Sequence 20, Appli |
| 24        | 44  | 12.2  | 44  | 14 | US-10-262-313-20   | Sequence 20, Appli |
| 25        | 44  | 12.2  | 44  | 16 | US-10-768-878-20   | Sequence 20, Appli |
| 26        | 43  | 11.9  | 206 | 9  | US-09-828-644-116  | Sequence 116, App  |
| 27        | 37  | 10.2  | 37  | 10 | US-09-992-331-25   | Sequence 25, Appli |
| 28        | 37  | 10.2  | 37  | 14 | US-10-262-313-25   | Sequence 25, Appli |
| 29        | 37  | 10.2  | 37  | 16 | US-10-768-878-25   | Sequence 25, Appli |
| 30        | 32  | 8.9   | 300 | 14 | US-10-077-698-7    | Sequence 7, Appli  |
| 31        | 32  | 8.9   | 300 | 14 | US-10-075-987-7    | Sequence 7, Appli  |
| 32        | 32  | 8.9   | 361 | 13 | US-10-086-181-5    | Sequence 5, Appli  |
| 33        | 32  | 8.9   | 361 | 14 | US-10-077-698-4    | Sequence 4, Appli  |
| 34        | 32  | 8.9   | 361 | 14 | US-10-171-027-4    | Sequence 4, Appli  |
| 35        | 32  | 8.9   | 361 | 14 | US-10-075-987-4    | Sequence 4, Appli  |
| 36        | 31  | 8.6   | 31  | 10 | US-09-992-331-24   | Sequence 24, Appli |
| 37        | 31  | 8.6   | 31  | 14 | US-10-262-313-24   | Sequence 24, Appli |
| 38        | 31  | 8.6   | 31  | 16 | US-10-768-878-24   | Sequence 24, Appli |
| 39        | 22  | 6.1   | 22  | 14 | US-10-171-027-9    | Sequence 9, Appli  |
| 40        | 21  | 5.8   | 21  | 10 | US-09-992-331-23   | Sequence 23, Appli |
| 41        | 21  | 5.8   | 21  | 14 | US-10-116-252-35   | Sequence 35, Appli |
| 42        | 21  | 5.8   | 21  | 14 | US-10-116-252-37   | Sequence 37, Appli |
| 43        | 21  | 5.8   | 21  | 14 | US-10-262-313-23   | Sequence 23, Appli |
| 44        | 21  | 5.8   | 21  | 16 | US-10-768-878-23   | Sequence 23, Appli |
| 45        | 20  | 5.5   | 20  | 14 | US-10-116-252-36   | Sequence 36, Appli |

## ALIGNMENTS

### RESULT 1

US-09-992-331-2

Sequence 2, Application US/09992331

Publication No. US20030022186A1

#### GENERAL INFORMATION:

APPLICANT: FEDER, JOHN N.

APPLICANT: MINTIER, GABE

APPLICANT: RAMANATHAN, CHANDRA S.

APPLICANT: HAWKEN, DONALD R.

TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY18,

TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA

TITLE OF INVENTION: CELLS

FILE REFERENCE: D0048NP

CURRENT APPLICATION NUMBER: US/09/992,331

CURRENT FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: 60/308,540

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PRIOR FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: 60/261,782  
PRIOR FILING DATE: 2001-01-16  
PRIOR APPLICATION NUMBER: 60/248,483  
PRIOR FILING DATE: 2000-11-14  
NUMBER OF SEQ ID NOS: 45  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2  
LENGTH: 361  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-992-331-2

Query Match 100.0%; Score 361; DB 10; Length 361;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECARAAGDAPRLSLEQANRTRPFFSDVKGDHRLVLAAVETTVLVLIFAVSLLGNVC 60  
Db |||||||  
Qy 61 ALVLVARRRRRGATACLVNLFCADLLFISAIPLVLAVRWTEAWLLGPVACHLLFYVMTL 120  
Db 61 ALVLVARRRRRGATACLVNLFCADLLFISAIPLVLAVRWTEAWLLGPVACHLLFYVMTL 120  
Qy 121 SGSVTILTAAVSLERMVCIVHLQRGVRGPGRARAVLLAIWGYSAVAALPLCVFFRVV 180  
Db 121 SGSVTILTAAVSLERMVCIVHLQRGVRGPGRARAVLLAIWGYSAVAALPLCVFFRVV 180  
Qy 181 PQRLPGADQEISICTLIWPTIPGEISWDVSFVTLNFLVPGLVIVISYSKILQITKASRKR 240  
Db 181 PQRLPGADQEISICTLIWPTIPGEISWDVSFVTLNFLVPGLVIVISYSKILQITKASRKR 240  
Qy 241 LTVSLAYSESHQIRVSQQDFRLFRTLFLMVSFFIMWSPIIITILLIIQNFKQDLVIWP 300  
Db 241 LTVSLAYSESHQIRVSQQDFRLFRTLFLMVSFFIMWSPIIITILLIIQNFKQDLVIWP 300  
Qy 301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKKIFCCFWFPEKGAILTDTSVKRNDLSIIS 360  
Db 301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKKIFCCFWFPEKGAILTDTSVKRNDLSIIS 360  
Qy 361 G 361  
Db 361 G 361